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AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please amend the section of Brief Description of the Drawings starting on page 7 of the application as follows:

--BRIEF DESCRIPTION OF THE DRAWINGS

The invention is herein described, by way in example only, with reference to the accompanying drawings. In the drawings:

Figures 1A-1C are graphic representations of the average distribution of e-values according to three main algorithms for sequence comparison, BLAST, FASTA and SW respectively, according to an embodiment of the invention;

Figure 2 is a schematic tree of the hierarchical organization of the small G-protein family according to an embodiment of the invention;

Figure 3 is a schematic tree of the hierarchical organization of the ATP-binding transporter family according to an embodiment of the invention;

Figure 4 is a schematic tree of the hierarchical organization of the super- family of motor proteins according to an embodiment of the invention;

Figure 5 is a schematic tree of the hierarchical organization of the proteins that are involved in the biosynthesis of complex sugars according to an embodiment of the invention;

Figure 6 shows the alignment of two protein sequences sw:acsa.acexy (SEQ ID No. 1) and sw:ythl.rhoso (SEQ ID No. 2) according to an embodiment of the invention;

Figure 7 is a schematic tree of the hierarchical organization of methylases and the methyltransferases according to an embodiment of the invention;

Figure 8 shows the alignment of two protein sequences sw:hmt1.yeast (SEQ ID No. 3) and sw:y912.haein (SEQ ID No. 4) according to an embodiment of the invention;--